

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A flexible printing system comprising:
a printer comprising memory that stores a set of updateable print characteristics and a print characteristics transfer mechanism; and
a printer consumable comprising memory that stores a set of print characteristics, the printer consumable coupled to the print characteristics transfer mechanism in order to update the set of updateable print characteristics in the printer memory if the print characteristics are compatible with the printing capabilities of the printer, wherein the updateable characteristics include finishing processes, wherein the updateable characteristics include a dithering algorithm.

2. (Original) The system of claim 1 wherein the memory comprises semiconductor memory and the transfer mechanism comprises a radio frequency receiver that transfers the set of print characteristics from the memory over a radio frequency link.

3. (Original) The system of claim 1 wherein the memory comprises optical memory and the transfer mechanism comprises a laser for reading the optical memory.

4. (Original) The system of claim 1 wherein the memory comprises semiconductor memory and the transfer mechanism comprises electrical contacts that transfer electrical signals from the memory to the printer.

5. (Original) The system of claim 1 wherein the memory comprises magnetic memory and the transfer mechanism comprises a magnetic data reader for reading the magnetic memory.

6. (Original) The system of claim 1 wherein the memory comprises a bar code and the transfer mechanism comprises a laser scanner that scans the bar code and transfers the scanned data to the printer.

7. (Original) The system of claim 1 wherein the updateable print characteristics are replaced by the print characteristics stored in the print consumable memory.

8. (Canceled)

9. (Currently Amended) A The flexible printing system of claim 1 comprising:

a printer comprising memory that stores a set of updateable print characteristics and a print characteristics transfer mechanism; and

a printer consumable comprising memory that stores a set of print characteristics, the printer consumable coupled to the print characteristics transfer mechanism in order to update the set of updateable print characteristics in the printer memory if the print characteristics are compatible with the printing capabilities of the printer, wherein the updateable characteristics include color tables.

10. (Canceled)

11. (Previously Presented) The system of claim 1 wherein the finishing processes include a matte finish, a glossy finish, a satin finish, and finishes with varied surface roughness.

12. (Currently Amended) A flexible printing system comprising:
a printer comprising:

programmable memory that stores updateable print characteristics after making a determination that the print characteristics are compatible with the printing capabilities of the printer; and

a radio frequency receiver; and

a printer consumable comprising memory that stores a set of printer characteristics and a radio frequency transmitter that transmits the printer characteristics to the radio frequency receiver, wherein the updateable characteristics include finishing processes and at least one of a dithering algorithm and a color table.

13. (Currently Amended) A method for updating printing characteristics in a printing system comprising a printer having radio frequency identification capability and a first set of printing characteristics and printer data memory that stores a second set of printing characteristics, the method comprising the steps of:

the printer querying the printer data memory;

when the printer data memory responds, the printer retrieving the second set of printing characteristics from the printer data memory over a radio frequency link; and

updating the printer with the second set of printing characteristics after making a determination that the print characteristics are compatible with the printing capabilities of the printer, wherein the second set of printing characteristics ~~comprises~~ includes finishing parameters and at least one of a dithering algorithm and a color table.

14. (Original) The method of claim 13 and further including the step of if the first set and the second set of printing characteristics are substantially equivalent, the printer using the first set of printing characteristics.

15. (Original) The method of claim 13 and further including the step of if the second set of printing characteristics is incompatible with capabilities of the printer, the printer using the first set of printing characteristics.

16-19. (Canceled)

20. (Currently Amended) A method for updating printing characteristics in a printing system comprising a printer having a card reader and a first set of printing characteristics and a data card that stores a second set of printing characteristics, the method comprising the steps of:

coupling the data card to the card reader;

the printer reading the second set of printing characteristics from the data card;

if the second set of printing characteristics are different from the first set of printing characteristics, the printer retrieving the second set of printing characteristics from the data card; and

if the second set of printing characteristics are compatible with printing capabilities of the printer, updating the first set of printing characteristics with the second set of printing characteristics, wherein the second set of printing characteristics include finishing processes and at least one of a dithering algorithm and a color table.

21. (Currently Amended) A method for updating printing characteristics in a printing system comprising a printer having a card reader and a first set of printing characteristics and a data card that stores a second set of printing characteristics, the method comprising the steps of:

coupling the data card to the card reader;

the printer reading the second set of printing characteristics from the data card;

if the second set of printing characteristics are different from the first set of printing characteristics and the printer is capable of using the printing characteristics, the printer retrieving the second set of printing characteristics from the data card; and

if the second set of printing characteristics are compatible with printing capabilities of the printer, updating the first set of printing characteristics with the second set of printing characteristics, wherein the second set of printing characteristics include finishing processes and at least one of a dithering algorithm and a color table.

22. (Currently Amended) A flexible printing system comprising:

a printer comprising:

memory that stores updateable printing characteristics, wherein the updateable printing characteristics include finishing processes and at least one of a dithering algorithm and a color table; and

a print characteristics transfer mechanism;

a network connection that enables the printer to access a network; and

a printer data memory that stores a uniform resource locator, the printer data memory coupled to the print characteristics transfer mechanism in order to transfer the uniform resource locator to the printer, wherein the printer is configured to download data from a web site corresponding to the URL if the data is compatible with printing capabilities of the printer, wherein the data is used to update the updateable printing characteristics.

23. (Original) The system of claim 22 wherein the network connection comprises a modem that is coupled to the public switched telephone network.

24. (Original) The system of claim 22 wherein the network connection comprises a computer having Internet access capabilities.

25. (Original) The system of claim 22 wherein the network is the Internet.

26. (Previously Presented) A method for updating printing characteristics in a printing system comprising a printer having a card reader, network access capability, and a first set of printing characteristics, the system further comprising a data card that stores a network identification of a location on a network, the method comprising the steps of:

coupling the data card to the card reader;

the printer reading the network identification from the data card;

accessing the network identification over the network;

accessing a second set of printing characteristics at the network location designated by the network identification;

if the second set of printing characteristics is different from the first set of printing characteristics and the printer is capable of using the second set of printing characteristics, the printer retrieving the second set of printing characteristics from the network location; and

if the second set of printing characteristics are compatible with printing capabilities of the printer, updating the first set of printing characteristics in response to the second set of printing characteristics, wherein the second set of printing characteristics include finishing processes.

27. (Currently Amended) The method of claim 26 wherein the step of accessing the ~~uniform resource locator~~ network over the ~~Internet~~ network includes accessing the uniform resource locator through a computer coupled to the printer.

28. (Currently Amended) A printer cartridge apparatus having a capability for printing on media and updating printing characteristics of a printer, the apparatus comprising:

memory that stores printing characteristics for use by the printer;

means for transferring the printing characteristics to the printer, the means coupled to the memory, wherein the printer is configured to update printing characteristics of the printer with printing characteristics of the printer cartridge apparatus if the printing characteristics of the printer cartridge apparatus is compatible with printing capabilities of the printer; and

means for printing on the media, wherein the printing characteristics include finishing parameters and a dithering algorithm.

29. (Currently Amended) The apparatus of claim 28 wherein the printing characteristics further include ~~a dithering algorithm and~~ a color table.

30. (Canceled)

31. (Currently Amended) A The printer cartridge apparatus of claim 28 having a capability for printing on media and updating printing characteristics of a printer, the apparatus comprising:

memory that stores printing characteristics for use by the printer;

means for transferring the printing characteristics to the printer, the means coupled to the memory, wherein the printer is configured to update printing characteristics of the printer with printing characteristics of the printer cartridge apparatus if the printing characteristics of the printer cartridge apparatus is compatible with printing capabilities of the printer; and

means for printing on the media, wherein the printing characteristics include finishing parameters and ~~wherein the printing characteristics include a~~ color table.

32. (Canceled)